

Abstract

A coplanar waveguide line comprising

- 5 a substrate;
- a central electrode strip on the substrate;
- 10 first and second electrode strips disposed on opposite
sides of the central electrode strip and extending
parallel thereto;
- 15 first and second optical waveguides on the substrate, the
optical waveguides being positioned between the first and
central electrode strips and extending parallel thereto;
- the central electrode comprising at least one T-rail
extending proximate to the first optical waveguide;
- 20 the first electrode comprising at least one T-rail
extending proximate to the second optical waveguide;
- the substrate comprising an n^+ electrically conducting
layer extending between the optical waveguides;
- 25 wherein the coplanar waveguide line further comprises an
electrical connection between first and second electrode
strips.